

Hurricane Harvey-Texas

ESF-10

Situation Report #15

Subject: SITREP #15
To: Agency Leads
Thru: Matthew Loesel, PSC
Maggie Waldon, PSC
From: Unified Command
Date: 9/13/2017
Reporting Period: 9/13/2017

1. Introduction

1.1. Background

Hurricane Harvey made landfall at 2300 ET, August 26th, as a Category 4 storm near Rockport, Texas. Harvey stalled over southeastern TX. Due to its slow motion and a prolonged period of onshore flow, the impacted areas received more than 50 inches of precipitation which subsequently led to catastrophic flooding.

An ESF-10 Mission Assignment was signed on August 28, 2017. The US Environmental Protection Agency (EPA), Texas Commission on the Environmental Quality (TCEQ), Texas General Land Office (TGLO) and the US Coast Guard (USCG) have entered into Unified Command to begin the evaluation, clean-up and recovery of spills, releases, vessels and orphan containers.

2. Current Activities

2.1. Operations Section

On September 13, 2017, Unified Command continued operations in accordance with the Natural Disaster Operational Workgroup (NDOW) Standard Operating Procedures, NDOW forms and Response Manager. The Unified Command is supported by three operational branches: Alpha Branch in Corpus Christi, Bravo Branch in Houston and Charlie Branch in Port Arthur. Hazard Evaluation, Oil Discharge Assessment and Recovery, as well as Orphan Container Evaluation and Recovery teams continued working throughout the Alpha, Bravo and Charlie Branches. Drinking Water (DW) and Waste Water (WW) Assessment teams were active in the Bravo and Charlie Branches.

- ASPECT has completed all missions for the IMT and will be returned to base on September 13, 2017.
- The Portable High- Throughput Integrated Laboratory Identification System (PHILIS) will finish sample processing on September 15, 2017.
- EPA's mobile air monitoring Trace Atmospheric Gas Analyzer (TAGA) bus is being used to screen specific areas for target contaminants that are affiliated with the aftermath of Hurricane Harvey. They will continue monitoring force majeure facilities in the Houston and Beaumont areas.



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Mission Assignment:

Request ESF-10 assistance to the State of Texas in support of assessment and response operations to actual or threatened hazardous materials and oil releases/discharges as covered under Category B (Emergency Protective Services) for Public Assistance. The assistance includes response to releases/discharges from fixed facilities, vehicles, intermodal container (to include orphaned containers) and vessels (mobile) sources to remove the threat of imminent danger or contamination to the public that could be caused by any release.

Table 1: Mission Assignments			
Funding Sources	Description	Funding Ceiling	End Date
MA 4332DR- TX-EPA-03	As requested by the State of Texas, provide assessment and emergency response support to the State including water/wastewater treatment plant assessments, aerial assessments	\$10,092,000	9/22/2017
USCG MA D17BA1	USCG will provide oil and hazardous materials field response which may include but not limited to the placement of vessels removed of pollutions to a pre-determined staging area; providing specialized expertise; conducting damage assessment of oil/hazmat waste impact via air and/or water; contractor oversight; evaluating hazards; and/or response, removal, or disposal of: actual and potential oil discharges, and releases of hazardous materials, pollutants and contaminations, and remove pollutants from vessels in or upon navigable waters and adjoining shoreline.	\$20,000,000	9/21/2017

Liaisons Officers will continue communication with Local Emergency Planning Committees (LEPC) and County Liaisons to maintain situational awareness of their activities.

The Public Information Officers have submitted videos of debris disposal for distribution, closed out four media inquiries and coordinated Unified Command updates for news release.

Table 2 represents the up to date assessments of drinking water and waste water systems evaluated by both phone and on-site.

Table 2: Drinking Water and Waste Water Assessment		
<u>Assessment Types</u>	<u>Daily Assessments</u>	<u>Total Assessments</u>
On-Site DW Assessments	50	567
On-Site WW Assessment	48	385
Phone DW Assessments	143	6550
Phone WW Assessments	76	4606

Table 3: This table represents the Operational Statuses of Community Water Systems that have been assessed.

Table 3: Current Public Water Systems Workload and Accomplishments			
Operational ID	Operational Status	Number of Public Water Systems	Population Served (Community Water Systems)
1	No problems	1753	7,100,240
2	Lifted BWN due to negative BacT samples. Normal operations resumed	184	114,642
3	BacT sample results pending	37	12,939
4	Site visit needed	4	7,617
5	Lost Power – maintaining pressure	0	0
6	Not Operating	13	4,809
7	Lost pressure & or Treatment	14	21,160
8	Out of Contact	5	0
9	Contact Pending	1	0
10	Could not Contact Facility	7	96
11	System destroyed	4	472
	Totals	44	33,682

Table 4: Field Teams on 9/13/2017 – per IAP #15				
Teams	Alpha	Bravo	Charlie	Total
Hazard Evaluation	1	1	3	5
Oil Discharge Assessment	2	4	1	7
ER/Orphan Container Recovery	1	14	3	18
Oil/Vessel Recovery	2	2		4
Staging Areas	1	1	1	3
Air Operations			1	1
Air Monitoring		3		3
Water Infrastructure Assessment – DW		8	1	9
Water Infrastructure Assessment – WW		6	1	7
Totals	7	39	11	57

Table 5: Daily/Cumulative summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/13/2017	Number of Targets Remaining Open	9/13/2017	Cumulative
Alpha Branch	0	5	9	96
Bravo Branch	20	124	73	163
Charlie Branch	17	42	32	53
NRC Reports	0	1	1	2
Totals	37	172	115	314

* The data from Response Manager has undergone a complete QA/QC and data was corrected as necessary. Due to this effort, numbers of targets Open and Closed has changed from previous reports. The data now shows a more accurate picture of targets remaining open and those which have been closed.

Note: Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.

Table 6: Waste Received at All Staging Pads to Date						
	CONTAINERS				TOTALS	
DATE	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Cylinders	Total Items Collected Today	Total Items Collected Project to Date
9/13/2017	115	22	2	12	151	151
Totals	115	22	2	12		

Table 7: Daily/Cumulative Summary of Spills/Discharges (NON-VESSELS)				
Status	Opened		Closed	
	9/13/2017	Number of Facilities/Spills Remaining Open	9/13/2017	Cumulative
Alpha Branch	0	0	2	33
Bravo Branch	1	20	5	53
Charlie Branch	1	8	0	12
NRC Reports	3	45	13	66
Totals	5	73	20	164

* The data from Response Manager has undergone a complete QA/QC and data was corrected as necessary. Due to this effort, numbers of targets Open and Closed has changed from previous reports. The data now shows a more accurate picture of targets remaining open and those which have been closed.

Note: Open means the target is yet to be recovered/cleaned up. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Table 8: Daily/Cumulative Summary of VESSELS				
Status	Opened		Closed	
	9/13/2017	Number of Vessels Remaining Open	9/13/2017	Cumulative
Alpha Branch	18	197	36	208
Bravo Branch	1	40	2	19
Charlie Branch	12	15	1	5
NRC Reports	0	6	1	5
Totals	31	258	40	237

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Note: Open means the target is yet to be recovered. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Other Notable Activities

ALPHA BRANCH

The Oil Discharge Assessment Team 1 monitored salvage operations associated with the Signet Enterprise. The team observed Responsible Party lead contactors working to pump air into the ballast and fuel tanks. Personnel monitored the containment area surrounding the vessel, ensuring that no sheen was present. The heavy lift straps, slings, and hoist cables are in place for the vessel lifting process. Responsible Party representatives advised that they anticipate lifting tomorrow. The tow plan has been approved by Sector CC. EPA and the USCG will continue oversight.

The Oil Discharge Assessment Teams reviewed salvage plans and discussed operations of the towing vessel Sabine Pass on San Jose Island.

The Oil Discharge Recovery Teams coordinated and monitored Responsible Party led operations and prioritized threats to the environment for removal via land and boat in Rockport, Rockport Harbor, Fulton Harbor, Key Allegro and Cove Harbor.

BRAVO BRANCH

The Discharge Assessment Teams conducted facility site visits to verify cleanup efforts in targeted grids throughout Bravo's operational areas.

Discharge Recovery Teams conducted salvage assessment visits to confirm salvage operations in targeted grids throughout Bravo's operational areas.

The Emergency Response and Orphan Container Recovery Teams recovered targets in portions of Liberty, Harris, and Wharton counties.

CHARLIE BRANCH

The Hazard Evaluation Team 1 conducted hazard assessments in Rainbow Marina as well as the CB&I facility across from the marina and verified all targets assigned. The Hazard Evaluation Team 2 conducted hazard assessments North of Sabine River in Orange, TX. The team identified targets at Blue Bird Boat Ramp and also identified additional targets about 200 yards in Cypress Swamp, however, the targets by Cypress Swamp are not currently recoverable as they were on Fish & wildlife property. The Hazard Evaluation Team 3 conducted hazard assessments south of the Sea Rim State Park to McFaddin Beach and verified applicable targets, but were unable to recover/close targets due to beach washout issues. GPS coordinates were subsequently logged.

The Oil Discharge Assessment Team investigated targets in Lumberton (at Coon Road & Silsbee). These targets were identified and the recovery/clean out process was transferred to Texas.

The Oil Container Recovery Team 1 retrieved all accessible targets from North Harbor Loop in lower Sabine River but were unable to retrieve certain targets due to major obstructions or the water depth. GPS coordinates for the inaccessible targets were logged. The Oil Container Recovery Team 2 retrieved previously identified targets in Vidor and Orange. The Oil Container Recovery Team 3 retrieved all targets at the Beaumont Yacht Club in Beaumont, TX.

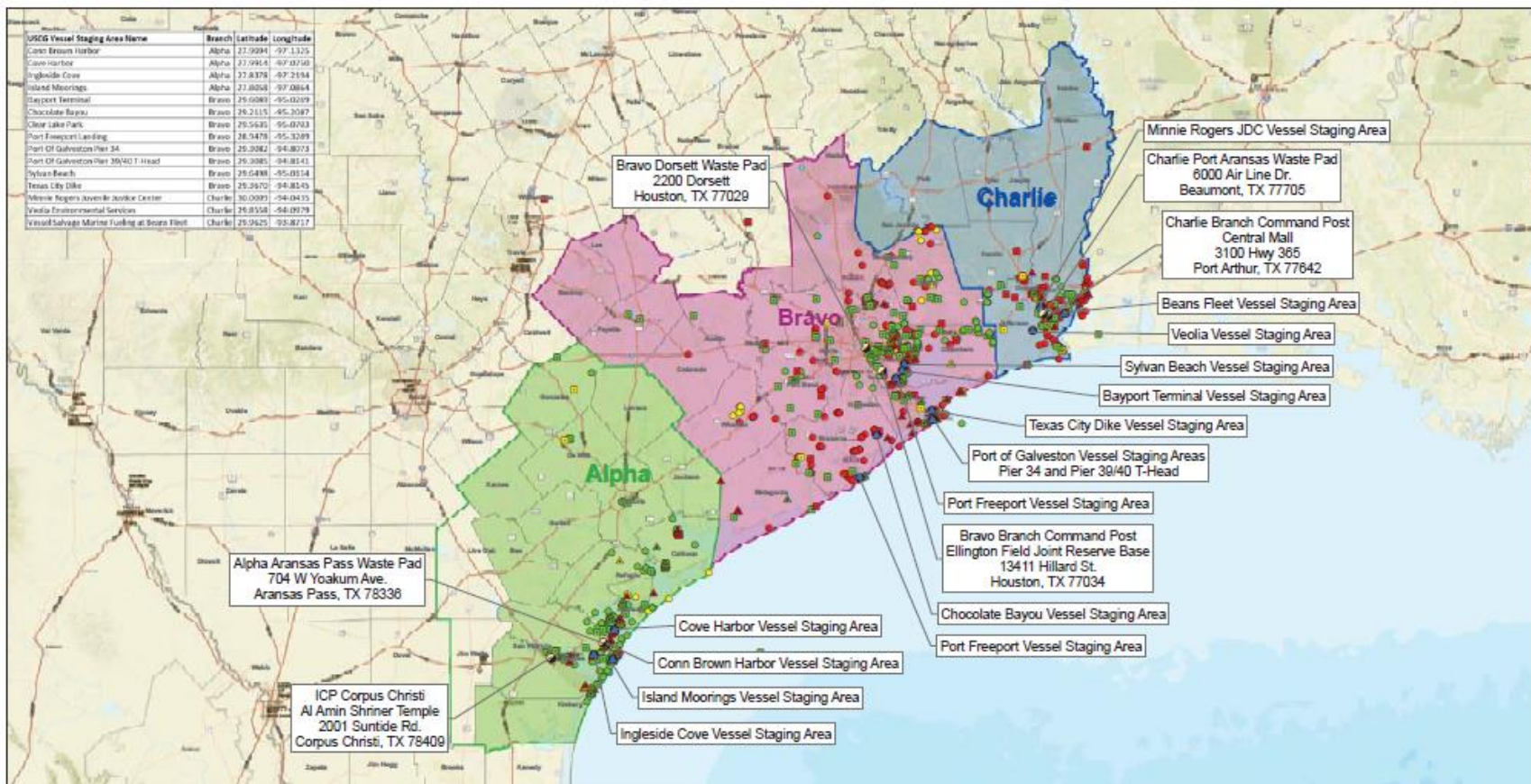
The Air Operations Group conduct an area reconnaissance mission over Vidor, TX and identified 7 targets.

Participating Agencies

- Texas Commission on Environmental Quality
- Texas General Land Office
- Texas Parks and Wildlife
- US Environmental Protection Agency
- US Coast Guard
- National Oceanic and Atmospheric Agency

3. Personnel on Site

Agency	ICP	Alpha Branch	Bravo Branch	Charlie Branch	Totals
US EPA	13	1	35	7	56
USCG	18	21	31	31	101
TCEQ	1	1	19	8	29
TGLO	5	3	0	8	16
TXSG	0	0	8	0	8
CST	0	0	15	0	15
NOAA	1	0	0	0	1
Contractors	10	3	6	21	40
Totals	48	29	114	75	266



Legend

Federally Declared Counties: ■ in Alpha ■ in Bravo ■ in Charlie

● Incident Command Post (ICP) / Staging Area ● Vessel Staging Location

Facility/Spill Assessment	Haz/Eval Items	Vessels
■ Open	● Open	▲ Open
■ Open - Cleanup in Progress	● Open	▲ Open - Cleanup in Progress
■ Closed	● Closed	▲ Closed

**USA EPA REGION 6
SITREP Map
Alpha, Bravo, Charlie**

Hurricane Harvey Response
September 13, 2017

For Official Use Only

0 30 60 Miles

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